

Amendments to the Specification:

Please replace the SUMMARY OF INVENTION beginning on page 2, lines 4-25 and ending on page 3, lines 1-12 with the following amended paragraph:

In order to solve the above and other problems according to the first aspect of the current invention, a base station controller to control a plurality of base stations communicating with a mobile station, the base station controller including a radio resource controller for maintaining a plurality of links between the mobile station and each of the base stations that the mobile station is currently reachable, the radio resource controller also maintaining separate information indicative of communication quality of each of the links, a link data rate controller connected to the radio resource controller for determining a data rate for each of the links based upon the communication quality, and a data distributor connected to the radio resource controller for distributing communication data among the links to be transmitted at the corresponding data rate.

According to the second aspect of the current invention, a mobile station to be communicated with a plurality of base stations, the mobile station including a radio resource controller for maintaining a plurality of links between the mobile station and each of the base stations that the mobile station is currently reachable, the radio resource controller also maintaining separate information indicative of communication quality of each of the links, a link data rate controller connected to the radio resource controller for determining a data rate for each of the links based upon the communication quality, and a data distributor connected to the radio resource controller for distributing communication data among the links to be transmitted at the corresponding data rate.

According to the third aspect of the current invention, a mobile station to be communicated with a plurality of base stations, the mobile station including a plurality of receivers for simultaneously receiving sub frame information from the base stations, the sub frame information indicative of dividing frames of transmission data and data rates, a

sub frame generator connected to the receivers for dividing the transmission data into a plurality of sub frames based upon the sub frame information, and a plurality of transmitters connected to the sub frame generator for simultaneously transmitting the sub frames of the transmission data at the data rates.

According to the fourth aspect of the current invention, a method of controlling a plurality of base stations that is communicating with a mobile station, including the steps of maintaining a plurality of links between the mobile station and each of the base stations that the mobile station is currently reachable, maintaining separate information indicative of communication quality of each of the links, determining a data rate for each of the links based upon the communication quality, and distributing communication data among the links to be transmitted at the corresponding data rate.

According to the fifth aspect of the current invention, a method of communicating with a plurality of base stations, including maintaining a plurality of links between the mobile station and each of the base stations that the mobile station is currently reachable, maintaining in the mobile station separate information indicative of communication quality of each of the links, determining at the mobile station a data rate for each of the links based upon the communication quality, and distributing communication data among the links to be transmitted at the corresponding data rate.

According to the sixth aspect of the current invention, a method of communicating with a plurality of base stations, including simultaneously receiving a plurality of sets of sub frame information at a mobile station from the base stations, the sub frame information indicative of dividing frames of transmission data and data rates, dividing the transmission data at the mobile station into a plurality of sub frames based upon the sub frame information, and simultaneously transmitting from the mobile station a plurality of sets of the sub frames of the transmission data at the data rates. ~~A CDMA mobile station of the related art is sometimes simultaneously connected to a plurality of~~

~~base stations to perform a handover. However, in order to obtain the site diversion effect, all of the links contain identical information. As a result, the data rate of a mobile station connected to a plurality of the base stations is approximately the same as that when the mobile station connected to only one base station.~~

~~Therefore, even if there are no restrictions on the radio wave (or carrier) status, the problem exists that data rate is limited to the maximum value for one link.~~

~~In view of the above problem with the related art, this invention has the object of providing improved data rate by dispersing and transmitting information between the mobile station and communications net, and by also connecting simultaneously to other base stations when the radio waves (carrier) of a mobile station in contact with one base station are also capable of connecting with other base stations.~~

~~In order to resolve the above problems, the mobile station of the current invention includes a receiver for receiving signals from a plurality of base stations, a quality calculator device for calculating the respective channel quality of the plurality of signals received by the receiver, a data rate calculator device for calculating the data rate that the base station is capable of based on the channel quality calculated by the quality calculator device, a demultiplexer for demultiplexing the information to be transmitted for each base station based on the respective data rates calculated by the data rate calculator device, and a transmission device for transmitting to each base station the information demultiplexed by the demultiplexer.~~

~~The base station controller of this invention is comprised of a memory storage device for storing the channel quality of the transmission path for each base station and mobile station, a data rate calculator device for calculating the data rate for use for each base station based on the channel quality for each base station stored in the memory storage device, a demultiplexer for demultiplexing the communication information for each base station based on the data rate for each base station calculated by the data rate calculator device, and a transmission device for transmitting to each base station the information demultiplexed by the demultiplexer.~~